

Pat nt Abstracts of Japan

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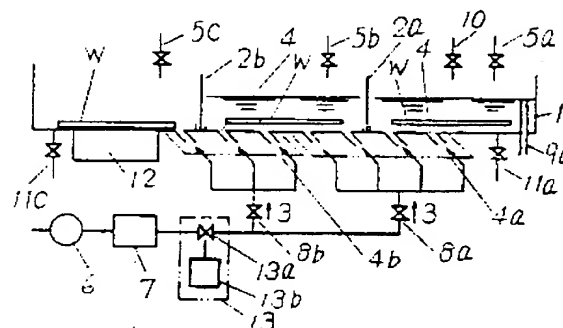
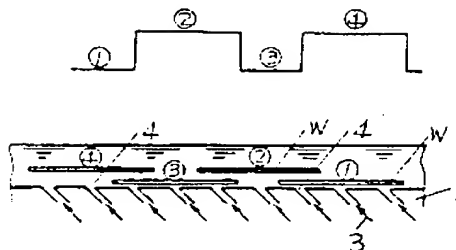
APPLICATION DATE : 08-08-85
APPLICATION NUMBER : 60174762

APPLICANT : FUJITSU LTD;

INVENTOR : KOSAKA TSUNEHIRO;

INT.CL. : H01L 21/68 B65G 51/02 B65H 5/00

TITLE : WAFER UNDERWATER CONVEYING MECHANISM



ABSTRACT : PURPOSE: To eliminate the disorder of the progress of steps by intermittently injecting obliquely a conveying water from the bottom of a vessel to eliminate the state of a conveying disturbance without contacting with the bottom of the vessel at the end of a wafer during conveying.

CONSTITUTION: An intermittently switching mechanism 13 for intermittently opening and closing a passage of a conveying water 3 is added between a surge tank 7 and valves 8a, 8b. The mechanism 13 has a valve 13a interposed in the passage of the water 3 and a valve driving mechanism 13b for intermittently opening and closing the valve 13a with a timer. The injecting timing of the wafer 3 for injecting from an injection port 4 by the operation of the mechanism is to intermittently inject the water 3, to finely divide the conveyance and to repeat the start of conveying, thereby avoiding the occurrence of conveying disturbance state due to an engagement. Thus, a wafer can be effectively conveyed.

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